

## **8030, Vigo County School Corp**

### **PROJECT ABSTRACT**

The Vigo County School Corporation (VCSC), Holy Cross, and Saint Patrick propose a Learning Technology Grant Program to strengthen the delivery of mathematics instruction through the innovative and engaging use of technology. In aligning efforts with the Indiana Math Summit to create and promote a statewide culture of academic excellence, the district will utilize technology, research-based software, and embedded staff development to improve math achievement for all learners.

Student outcomes include the following goals and objectives:

**GOAL ONE:** All high school students will improve mathematics performance.

- The percentage of students meeting state standards on the Algebra I End-of-Course Assessment will increase by 5%.
- The percentage of students taking higher level math classes will increase by 3%.
- The percentage of students earning a 4 or above on the Advanced Placement Calculus exam will increase by 3%.

**GOAL TWO:** High school students will become engaged and motivated through use of technology.

- High school students will learn through engaging and motivating technology tools.
- Attendance for participating students will increase by 3%.
- Discipline referrals for participating students will decrease by 3%.

The VCSC will serve 1680 students, ensuring that they pass the Algebra I End-of-Course Assessment, progress to higher level mathematics courses, and take the Advanced Placement Calculus exam earning a score of 4 or better. A strength of this proposal is the research-based, on-going formative assessment in mathematics, provided through the Assessment and Learning in Knowledge Spaces (ALEKS) software of the National Science Foundation. Access to the ALEKS software will be provided using mobile notebook computers and wireless internet connectivity. The VCSC will extend current rigorous content training in mathematics with an embedded, instructional coach and an AP content trainer who will model active and hands-on lessons alongside high school mathematics teachers to engage and motivate students through the use of technology.